

3.8 RATES, RATIOS, AND PERCENTS

FIND THE UNIT RATE (How much for 1 unit?)

Ex 1 \$699.93 for 7 IPOD SHUFFLES

$$\frac{\$699.93}{7 \text{ IPOD}} = \boxed{\$99.99/\text{IPOD}}$$

Ex 2 \$59.94 for 6 CD's

$$\frac{\$59.94}{6 \text{ CD's}} = \boxed{\$9.99/\text{CD}}$$

Homework:

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FINDING SPEEDS $S = \frac{d}{t}$

Ex 1 Run 4 miles in 24 minutes

$$\frac{4}{24} = \boxed{\frac{1}{6} \text{ mi/min}}$$

Ex 2 FLY 1600 miles in 8 hours

$$\frac{1600 \text{ mi}}{8 \text{ hr}} = \boxed{200 \text{ m/hr}}$$

CONVERT THE MEASURE

Ex 1 12 fluid ounces to cups (1 cup = 8 fluid oz)

$$12 \text{ oz} \times \frac{1 \text{ cup}}{8 \text{ oz}} = \boxed{1.5 \text{ cups}}$$

Ex 2 56 miles to kilometers (1 mile = 1.609 km)

$$56 \text{ mi} \times \frac{1.609 \text{ km}}{1 \text{ mi}} = \boxed{90.104 \text{ km}}$$

PERCENTS: Ex 1 \$8 tip on a \$40 bill

$$\frac{8}{40} \times 100 = \boxed{20\%}$$